ABSTRACT OF THE DISCLOSURE

Automatic region extracting means (2) extracts rectangle regions having attributes of "character", "photograph", "table", "ruled line", "frame" from input image data through Image input means (1) and stores the information of the extracted rectangle regions into Modification information storage means (3). Display means (4) displays the input image including the extracted rectangle regions according to the information of the extracted rectangle regions. The operator selects desired extracted rectangle regions in the input image on a display screen and specifies the kind of the modification for the selected rectangle regions by using Operation means (5). Thereby, the information of both the selected rectangle regions and specified modifications are stored in Modification information storage means (3). Modification image making means (6) then makes the image data modified based on the information of the selected rectangle regions, the specified modification information, and the input image data, and Image output means (7) outputs the modified image.